

Active Recombinant Full Length Human CHRDL2 Protein, C-Flag-tagged

Cat. No. CHRDL2-512HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CHRDL2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the chordin family of proteins. Chordin family members are secreted proteins that share a cysteine-rich pro-collagen repeat domain and associate with members of the transforming growth factor beta superfamily. In vitro assays demonstrate a direct interaction between the encoded protein and human activin A. This gene is expressed in many tissues including osteoblasts, where it is differentially expressed during differentiation. In addition, its expression is upregulated in human osteoarthritic joint cartilage, suggesting a role in adult cartilage regeneration.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Co-immunoprecipitation
Molecular Mass	49.5 kDa
AA Sequence	MVPEVRVLSSLLGLALLWFPLDSHARARPD MFCLFHGKRYSPGESWHPYLEPQGL MYCLRCTCSEGAHVS CYRLHCPPVHCPQPVT E PQCCPKC VEPHTPSGLRAPPK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SCQHNGTMYQHGEIFSAHELFP SRLPNQCVL CSCTEGQIYCGLTTCPEPGCPAPLP
 LPDSCCQACKDEASEQSDEEDSVQSLHGVRHPQDPCSSDAGRKRK PGTPAPTGL
 SAPLSFIPRHFPRPKGAGSTTVKIVLKEKHKACVHGGKTYSHGEVWHPAFRAFGPLP
 CILC TCEDGRQDCQRVTCPT EYPCRHPKVAGKCKICPEDKADPGHSEISSTRCP
 KAPGRVLVHTSVSPSPDN LRRFALEHEASDLVEIYLWKLVKDEETEAQRGEVPGPR
 PHSQNLPLDSDQESQEARLPERGTALPTARWP
 PRRSLERLPSPDPGAEGHGQSRQSDQDITKTTRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Secreted Protein
Full Length	Full L.

GENE INFORMATION

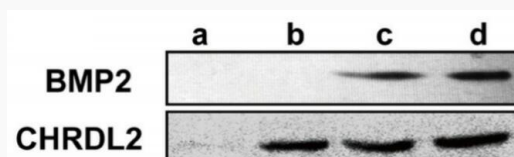
Gene Name	CHRD L2 chordin like 2 [Homo sapiens (human)]
Official Symbol	CHRD L2

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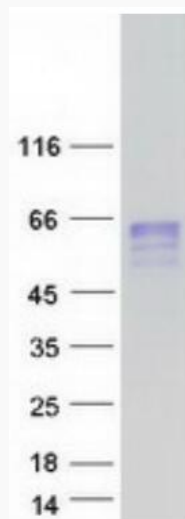
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Synonyms	BNF1; CHL2
Gene ID	25884
mRNA Refseq	NM_015424.6
Protein Refseq	NP_056239.3
MIM	613127
UniProt ID	Q6WN34



CHRDL2 binds to BMP2. Co-IP of recombinant CHRDL2 protein and recombinant BMP2 protein and analysis in Western blot with indicated antibodies. a: BMP-2 IP with anti-CHRDL2; b: CHRDL2 IP with antiCHRDL2; c: the mixture of BMP2 and CHRDL2; d: the mixture of BMP2 and CHRDL2 IP with antiCHRDL2



Coomassie blue staining of purified CHRDL2 protein.

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